

# WASHINGTON STATE DEPARTMENT OF HEALTH OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

## ANNUAL GROWING AREA REVIEW

**PREPARED BY:** Donald J. Melvin, Environmental Specialist

**AREA:** Filucy Bay

**YEAR ENDING:** December 31, 2005

**CLASSIFICATION:** Conditionally Approved, Restricted, Prohibited

### ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected monthly from the Conditional area. The area was sampled seven times when it was in open status. The area was closed to commercial harvest for a total of 116 days in accordance with the conditional area management plan requirement for a closure following a 24-hour rainfall accumulation of 0.5 inch or more.

### ANALYTICAL RESULTS OF WATER SAMPLES:

Table 1 summarizes the results of the most recent 30 samples collected from each of the Filucy Bay stations when the area was open to shellfish harvest under the current conditional area management plan. All "conditionally approved" stations pass the water quality standards under the current management plan. Sampling station #279 is threatened and sampling stations #274 and #278 are of concern due to elevated bacteria levels. Individual sampling results for station #279 are shown in Table 2. The shaded rows in Table 2 are sampling events conducted when the area was closed to harvest under the current management plan. These sampling dates are excluded from the Table 1 summary.

### CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

### CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☐ Meets standards but some concerns
- ☒ Meets standards but threatened with a downgrade in classification
- ☐ \*Fails to meet classification standards

### REMARKS AND RECOMMENDATIONS:

Agencies should continue pollution source investigation to identify and correct the sources in the Filucy Bay watershed.

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**MANAGEMENT PLAN EVALUATION – BRIEFLY DESCRIBE THE FOLLOWING COMPONENTS:**

1. Have all parties involved complied with the conditions in the management plan .....Yes
2. Has reporting been adequate to manage the conditional area .....Yes
3. Does the area consistently meet approved area criteria when it is open for harvest .....Yes
4. Has a field inspection of critical pollution sources been conducted.....Yes

**TABLE 1****SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **FILUCY BAY**Classification: **Prohibited,Unclassified,Conditionally Approved,Restricted**From **06/17/2002** To **10/20/2005****FECAL COLIFORM ORGANISMS/100 ML**Rainfall Information is **Day 0** for **5** days prior between **0.00** and **0.49**

<b>Station Number</b>	<b>Classification</b>	<b>Number of Samples</b>	<b>Range</b>	<b>Geometric Mean</b>	<b>Est. 90th Percentile</b>	<b>Meets Std.</b>
<b>276</b>	<b>Prohibited</b>	<b>30</b>	<b>1.7 - 33.0</b>	<b>3.8</b>	<b>13.0</b>	<b>Yes</b>
<b>277</b>	<b>Unclassified</b>	<b>30</b>	<b>1.7 - 23.0</b>	<b>2.4</b>	<b>6.0</b>	<b>Yes</b>
<b>274</b>	<b>Conditionally Approved</b>	<b>30</b>	<b>1.7 - 540.0</b>	<b>4.7</b>	<b>24.0</b>	<b>Yes</b>
<b>278</b>	<b>Conditionally Approved</b>	<b>30</b>	<b>1.7 - 79.0</b>	<b>4.9</b>	<b>23.0</b>	<b>Yes</b>
<b>279</b>	<b>Conditionally Approved</b>	<b>30</b>	<b>1.7 - 110.0</b>	<b>7.0</b>	<b>36.0</b>	<b>Yes</b>
<b>275</b>	<b>Restricted</b>	<b>30</b>	<b>1.7 - 240.0</b>	<b>10.4</b>	<b>68.0</b>	<b>No</b>

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

**TABLE 2**  
**SUMMARY OF SHELLFISH GROWING AREAS**  
**WATER QUALITY STUDY RESULTS**

Growing Area: **FILUCY BAY**

Sampling Station Number: **279**

Classification: **Conditionally Approved**

Sample Date	Sample Time	Tide	Fcoli/100ml	Temperature	Salinity
06/17/2002	11:10	Flood	1.7	13	25
07/30/2002	11:28	Ebb	2	14	29
08/13/2002	11:16	Ebb	1.7	16	
09/10/2002	11:14	Ebb	1.8	14	30
10/09/2002	11:17	Ebb	22	13	29
11/07/2002	10:25	Ebb	13	11	30
12/10/2002	09:34	Flood	11	10	28
01/07/2003	12:00	Ebb	2	9	19
02/11/2003	08:44	Flood	1.7	7	26
03/05/2003	10:54	Ebb	13	8	26
04/07/2003	09:29	Ebb	2	8	28
05/07/2003	10:23	Ebb	1.7	10	26
06/05/2003	10:04	Ebb	2	13	30
07/15/2003	10:35	Ebb	13	13	28
08/20/2003	07:59	Flood	17	14	29
09/30/2003	10:38	Ebb	22	13	30
10/15/2003	08:27	Flood	9.3	12	29
11/13/2003	11:23	Ebb	7.8	9	28
12/02/2003	09:15	Flood	17	9	19
01/08/2004	11:42	Ebb	79	5	5
02/03/2004	09:52	Ebb	7.8	6	17
03/01/2004	11:29	Flood	1.7	8	27
04/28/2004	09:32	Flood	4.5	9	28
05/25/2004	10:23	Ebb	1.7	12	30
06/21/2004	09:08	Ebb	11	14	30
07/07/2004	11:03	Ebb	9.3	14	30
08/19/2004	12:18	Ebb	49	17	30
09/07/2004	09:47	Flood	11	14	30
10/19/2004	09:32	Flood	33	12	28
11/16/2004	09:15	Flood	13	10	29
12/14/2004	10:22	Ebb	33	9	30
01/11/2005	09:23	Ebb	4.5	7	25
02/01/2005	11:10	Ebb	2	8	28
03/15/2005	10:54	Ebb	2	9	28
04/13/2005	10:44	Ebb	1.7	9	28
05/17/2005	11:27	Flood	49	12	26
06/13/2005	08:31	Flood	110	13	29
07/12/2005	10:52	Ebb	7.8	15	28
09/07/2005	11:17	Ebb	79	15	30
09/08/2005	11:14	Ebb	33	15	30
10/20/2005	11:35	Ebb	23	12	29
11/01/2005	09:51	Ebb	2400	10	0
12/20/2005	12:16	Ebb	33	8	15

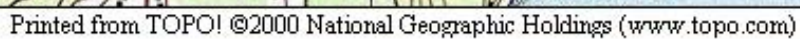
Number of Samples: 43

Range: 1.7 - 2400

Geometric Mean: 9.6

Estimated 90th Percentile: 69







## Most recent five-year trend in fecal coliform pollution.

